

CLAIMS:

1. A coupling node in a telecommunication system for coupling of communications in the telecommunication system, said node comprising:
connections for the communications and a connection for a server;
function devices with functions intended for the communications, which
functions are supported by carriers;
processors supported by the carriers; and
a selector device being arranged to couple, after a signal from the server,
at least a first of the functions, wherein the selector device is arranged to, at the
coupling of at least one of the functions, on one hand hunt for a first one of the
processors being a candidate for handling the function, on the other hand
investigate whether the hunted processor has resources in the form of sufficient
free space in its data store and in its instruction memory and sufficient processor
capacity for the handling.

2. A coupling node in a telecommunication system according to
Claim 1, wherein the selector device has information on which resources are
required for the handling of the function, and is arranged to compare said
resources of the hunted processor with the corresponding resources for the
handling of the function.

3. A coupling node in a telecommunication system according to
Claim 1, wherein the selector device is arranged to hunt for a second one of the
processors if said first processor lacks resources for the handling.

4. A coupling node in a telecommunication system according to
Claim 1, wherein

the function devices are by the carriers arranged in a hierarchic structure; the coupling node comprises internal communication resources for the function devices;

5 the function devices each have their own hierarchic address, corresponding to the hierarchic structure of the function devices, and the selector device is arranged, by means of the hierarchic addresses to select two of the function devices for one of the communications within the communication consecutive of said functions in such a way that the amount of internal communication resources being utilized for connecting said two function devices, is limited.

10 5. A coupling node according to Claim 4, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support the processors with access points, the selector device being arranged to select the two function devices in one and the same magazine.

15 6. A coupling node according to Claim 4, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support the processors with access points, the selector device being arranged to select the two function devices in one and the same printed board assembly.

20 25 7. A coupling node according to Claim 4, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine

and which support the processors with access points, the selector device being arranged to select the two function devices in one and the same processor.

5. 8. A coupling node according to Claim 4, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support the processors with access points, the selector device being arranged to select the two function devices so that they will have the same access point in one of the signal processors.

10. 9. A coupling node according to Claim 4, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support the processors with access points, the selector device being arranged to select the two function devices, in the first place, in the same printed board assembly and, in the second place, in the same magazine.

15. 10. A coupling node according to Claim 4, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support the processors with access points, the selector device being arranged to select the two function devices, in the first place so that they can be reached via the same access point, in the second place so that they can be handled by one and the same processor, in the third place so that they can be handled by the processors in the same printed board assembly, and in the fourth place so that the printed board assemblies are placed in the same magazine.

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11. A coupling node according to Claim 5, wherein one of the printed board assemblies supports function devices having only one type of functions.

5 12. A coupling node according to Claim 5, wherein one of the printed board assemblies supports function devices having at least two different types of functions.

13. A method for a coupling node in a telecommunication system for coupling of a communication, which node comprises:

10 connections for the communications and a connection for a server; function devices with functions, intended for the communications and supported by carriers; and

processors supported by the carriers,

the method comprising:

15 selecting at least one of the functions after a signal from the server;

hunting for a first processor as a candidate for handling of said function;

20 and

investigating whether the hunted processor has sufficiently free space in its data store and in its instruction memory and sufficient processor capacity for said handling.

25 14. A method for a coupling node according to Claim 13, further comprising comparing, in the selector device, said resources in the hunted processor with the corresponding resources required for handling the function.

15. A method for a coupling node according to Claim 13, further comprising hunting, by the selector device, for a second processor if said first processor lacks resources for the handling.

16. A method for a coupling node according to Claim 13, wherein the coupling node comprises internal communication resources for the function devices, and wherein the method comprises:

5 arranging the function devices in a hierachic structure by means of the carriers for the function devices;

10 allocating to each of the function devices a hierachic address, corresponding to the hierachic structure of the function devices; and

15 selecting, by means of the hierachic addresses, two of the function devices for one of the communications within the communication consecutive of said functions in such a way that the amount of internal communication resources being utilized for connecting said two function devices, is limited.

17. A method according to Claim 16, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support processors with access points, the method comprising selection of the two function devices in the same magazine.

20 18. A method according to Claim 16, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support processors with access points, the method comprising selection of the two function devices in the same printed board assembly.

25 19. A method according to Claim 16, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which

support processors with access points, and wherein the method comprises selecting the two function devices in the same signal processor.

5 20. A method according to Claim 16, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support processors with access points, and wherein the method comprises selecting the two function devices so that they will have the same access point in one of the processors.

10 21. A method according to Claim 16, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support processors with access points, and wherein the method comprises selecting the two function devices, in the first place, in the same printed board assembly and, in the second place, in the same magazine.

15 22. A method according to Claim 16, wherein the carriers for the function devices comprise at least one magazine with printed board assemblies, which are connected to each other via a back plane in the magazine and which support processors with access points, and wherein the method comprises selecting the two function devices, in the first place so that they are reached via the same access point, in the second place so that they are handled by the same processor, in the third place so that they are handled by processors in the same printed board assembly, and in the fourth place so that the printed board assemblies are placed in the same magazine.

23. A method according to Claim 17, wherein one of the printed board assemblies supports function devices having only one type of functions.

24. A method according to Claim 17, wherein one of the printed board assemblies supports function devices having at least two different types of functions.